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Total Number of Pages in This Submission

Application Number 10/052,004

Filing Date 1/7/2002

First Named Inventor Anthony C. Zuppero

Art Unit 1753

Examiner Name Alan D. Diamond

Attorney Docket Number 22122878-10

### ENCLOSURES (Check all that apply)

☐ Fee Transmittal Form

☐ Fee Attached

☐ Amendment/Reply

☐ After Final

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☒ Copy of:  
Information Disclosure Statement  
submitted via facsimile  
on October 28, 2004.

☐ Certified Copy of Priority  
Document(s)

☐ Reply to Missing Parts/  
Incomplete Application

☐ Reply to Missing Parts  
under 37 CFR 1.52 or 1.53

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition

☐ Petition to Convert to a  
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☐ After Allowance Communication to TC

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☐ Proprietary Information

☐ Status Letter

☒ Other Enclosure(s) (please identify  
below):

Copy of PTO/SB08A and B forms submitted  
10/28/04 via facsimile; copy of Auto-Reply  
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Remarks

Enclosed are copies of the references cited in the IDS submitted on October 28, 2004.

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name Baker & McKenzie LLP

Signature

Printed name Eunhee Park, Esq.

Date October 29, 2004

Reg. No. 42,976

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<b>Date</b>	October 28, 2004	<b>Phone</b>		<b>Fax</b>	
<b>To</b>	Examiner Alan D. Diamond, Group Art Unit 1753, USPTO			703-872-9306	
<b>From</b>	Eunhee Park	+1 212 891 3577		+1 212 310 1677	
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22122878-10

**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

In re Application of: Anthony Zuppero et al.

Art Unit: 1753

Serial No.: 10/052,004

Examiner: Alan D. Diamond

Filed: January 17, 2002

Date: October 28, 2004

Customer No: 26453

Confirmation No.: 9133

For: ELECTRON-JUMP CHEMICAL ENERGY CONVERTER

Mail Stop Amendment  
Commissioner for Patents  
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**INFORMATION DISCLOSURE STATEMENT**

**S I R:**

1. In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. § § 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicants hereby bring the following references, which are listed on the attached modified PTO Form No. 1449 to the attention of the Examiner. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.
2. Applicants respectfully request that the following co-owned patents and co-pending applications be considered and made of record in the present application:  
  
US Patent Nos. 6,114,620 (cited on PTO-892 by the Examiner); 6,218,608 (cited on PTO-892 by the Examiner); 6,222,116 (cited on PTO-892 by the Examiner);

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Amelia Finker

6,268,560 (cited on PTO-892 by the Examiner); 6,327,859 (cited on PTO-892 by the Examiner); 6,700,056 (cited on PTO-892 by the Examiner); 6,678,305 (cited on PTO-892 by the Examiner); 6,649,823 (cited on PTO-892 by the Examiner); 6,327,859 (cited in the Office Action of September 23, 2004); 6,268,560; and US Patent Application Nos. 09/682,363 (cited on PTO-892 by the Examiner); 10/218,706 (cited on PTO-892 by the Examiner); 10/185,086 (cited on PTO-892 by the Examiner); 09/631,463 (cited in the Office Action of September 23, 2004); 10/625,801 (cited in the Office Action of September 23, 2004); 10/759,341. The references cited in each of those patents and applications are listed on Form 1449 accompanying this information disclosure statement.

3. Copies of the references listed on the modified PTO form 1449 will follow under separate cover by first class mail due to their volume.
4. No fee is deemed necessary with the filing of these documents. If a fee is deemed necessary, we authorize the Commissioner of Patents and Trademarks to charge Deposit Account No.: 02-0393.

Respectfully submitted,



Eunhee Park  
Registration No. 42,976  
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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**Complete if Known**

Application Number	10/052,004
Filing Date	1/17/2002
First Named Inventor	Anthony C. Zuppero
Art Unit	1753
Examiner Name	Alan D. Diamond
Attorney Docket Number	22122878-10

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## U. S. PATENT DOCUMENTS.

Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 20020070632	06-2002	Zuppero et al.	
		US- 4651324	03-1987	Prein et al.	
		US- 5337329	08-1994	Foster, Jack	
		US- 4756000	07-1988	Macken, John A.	
		US- 5999547	12-1999	Schneider et al.	
		US- 5048042	09-1991	Moser et al.	
		US- 5587827	12-1996	Hakimi et al.	
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Application Number	10/052,004
Filing Date	1/17/2002
First Named Inventor	Anthony C. Zuppero
Art Unit	1753
Examiner Name	Alan D. Diamond
Attorney Docket Number	22122878-10

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## U.S. PATENT DOCUMENTS

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		Number - Kind Code <sup>3</sup> (if known)			
		US-6084173	07/04/2000	DiMatteo	
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Examiner Name	Alan D. Diamond
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		HARRISON, P. et al., The Carrier Dynamics of Far-Infrared Intersubband Lasers and Tunable Emitters, Institute of Microwaves and Photonics, University of Leeds, U.K., pp. 1-64	
		WEBER, et al., to X2 Electron Transfer Times in Type-II GaAs/AlAs Superlattices Due to Emission of Confined and Interface Phonons, Superlattices and Microstructures, Vol. 23, No. 2 (1998).	
		FANN, W.S. et al., Electron Thermalization in Gold, Physical Review B, Brief Reports, Vol. 46, No. 20, (1992)	
		Ultrafast Surface Dynamics Group, Time-Resolved Two-Photon Photoemission (TR-2PPE), <a href="http://www.ilp.physik.uni-essen.de/aeschlimann/2y_photo.htm">http://www.ilp.physik.uni-essen.de/aeschlimann/2y_photo.htm</a>	
		LEWIS et al., Vibrational Dynamics of Molecular Overlayers on Metal Surfaces, Dept. of Chemistry, University of Pennsylvania, <a href="http://lorax.chem.upenn.edu/molsurf/cucotalk/html">http://lorax.chem.upenn.edu/molsurf/cucotalk/html</a> .	
		RETTNER et al., Dynamics of the Chemisorption of O <sub>2</sub> on Pt(111): Dissociation via Direct Population of a Molecularly Chemisorbed Precursor at High Incidence Kinetic Energy, The Journal of Chemical Physics, Vol. 94, Issue 2 (1991)	
		FRIEDMAN et al., SiGe/Si THz Laser Based on Transitions Between Inverted Mass Light-Hole and Heavy Hole Standards, Applied Physics Letters, Vol. 78, No. 4 (2001)	
		HARRISON et al., Population -Inversion and Gain Estimates for a Semiconductor TASER	
		HARRISON et al., Theoretical Studies of Subband Carrier Lifetimes in an Optically Pumped Three-Level Terahertz Laser, Superlattices and Microstructures, Vol. 23, No. 2 (1998)	
		HARRISON et al., Room Temperature Population Inversion in SiGe TASER Designs, IMP, School of Electronic and Electrical Engineering, The University of Leeds	
		SUN et al., Phonon-Pumped Terahertz Gain in n-Type GaAs/AlGaAs Superlattices, Applied Physics Letters, Vol. 7, No.22 (2001)	

Examiner Signature	Date Considered
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		ALTUKHOV et al., Towards Si1-xGeX Quantum-Well Resonant-State Terahertz Laser, Applied Physics Letters, Vol. 79, No. 24 (2001)	
		SUN et al., Intersubband Lasing Lifetimes of SiGe/Si and GaAs/AlGaAs Multiple Quantum Well Structures, Applied Physics Letters, Vol. 66, No. 25 (1995)	
		SUN et al., Phonon Pumped SiGe/Si Interminiband Terahertz Laser	
		SOREF et al., Terahertz Gain in a SiGe/Si Quantum Starcase Utilizing the Heavy-Hole Inverted Effective Mass, Applied Physics Letters, Vol. 79, No. 22 (2001)	
		AESCHLIMANN et al., Competing Nonradiative Channels for Hot Electrons Induced Surface Photochemistry, Chemical Physics 202, 127-141 (1996)	
		AUERBACH, Daniel J., Hitting the Surface-Softly, Science, Vol. 294, pp. 2488-2489 (2001)	
		BADESCU et al., Energetics and Vibrational States for Hydrogen on Pt(111), Physical Review Letters, Vol. 88, No. 13 (2002)	
		BALANDIN et al., Effect of Phonon Confinement on the Thermoelectric Figure of Merit of Quantum Wells, Journal of Applied Physics, Vol. 84, No. 11 (1998)	
		BARTELS et al., Coherent Zone-Folded Longitudinal Acoustic Phonons in Semiconductor Superlattices: Excitation and Detection, Physical Review Letters, Vol. 82, No. 5 (1999)	
		BAUMBERG et al., Ultrafast Acoustic Phonon Ballistics in Semiconductor Heterostructures, Physical Review Letters, Vol. 78, No. 17 (1997)	
		BEDURFTIG et al., Vibrational and Structural Properties of OH Adsorbed on Pt(111), Journal of Chemical Physics, Vol. 111, No. 24 (1999)	

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Examiner Name	Alan D. Diamond
Attorney Docket Number	22122878-10

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

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		VALDEN et al., Onset of Catalytic Activity of Gold Clusters on Titania with the Appearance of Nonmetallic Properties, Science, Vol. 281 (1998)	
		BONDZIE et al., Oxygen Adsorption on Well-Defined Gold Particles on TiO <sub>2</sub> (110), J. Vac. Sci. Technol. A17(4) (1999)	
		BEZANT et al., Intersubband Relaxation Lifetimes in p-GaAs/AlGaAs Quantum Wells Below the LO-Phonon Energy Measured in a Free Electron Laser Experiment, Semicond. Sci. Technol. 14 (1999)	
		BRAKO et al., Interaction of CO Molecules Adsorbed on Metal Surfaces, Vacuum 61,89-93 (2001)	
		BURGI et al., Confinement of Surface State Electrons in Fabry-Perot Resonators, Physical Review Letters, Vol. 81, No. 24 (1998)	
		BURGI et al., Probing Hot-Electron Dynamics at Surfaces with a Cold Scanning Tunneling Microscope, Physical Review Letters, Vol. 82, No. 22 (1999)	
		CHANG, Y.M., Interaction of Electron and Hot Plasma with Coherent Longitudinal Optical Phonons in GaAs, Applied Physics Letter, Vol. 80, No. 14 (2002)	
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Attorney Docket Number	22122878-10

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Application Number	10/052,004
Filing Date	1/17/2002
First Named Inventor	Anthony C. Zuppero
Art Unit	1753
Examiner Name	Alan D. Diamond
Attorney Docket Number	22122878-10

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		WITTE et al., Low Frequency Vibrational Modes of Adsorbates, Surface Science, No. 1362 (2002)	
		VALDEN et al., Onset of Catalytic Activity of Gold Clusters on Titania with The Appearance of Nonmetallic Properties, Science, Vol. 281 (1998)	
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		YEO et al., Calorimetric Investigation of NO and O adsorption on Pd{100} and the Influence of Preadsorbed Carbon, J. Chem. Phys. 106 (5) (1997)	
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		FRIEDMAN et al., SiGe/Si THz Laser Based on Transitions Between Inverted Mass Light-Hole and Heavy-Hole Subbands, Applied Physics Letters, Vol. 78, No. 4 (2001)	
		HARRISON et al., The Carrier Dynamics of Terahertz Intersubband Lasers, Some Publishing Company (1999)	

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		HARRISON et al., Theoretical Studies of Subband Carrier Lifetimes in an Optically Pumped Three-Level Terahertz Laser, Superlattices and Microstructures, Vol. 23, No. 2 (1998)	
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		HARRISON et al., Population-Inversion and Gain Estimates for a Semiconductor TASER,	
		SUN et al., Phonon Pumped SiGe/Si Interminiband Terahertz Laser	
		SOREF et al., Terahertz Gain in a SiGe/Si Quantum Staircase Utilizing the Heavy-Hole Inverted Effective Mass, Applied Physics Letters, vol. 79, No. 22 (2001)	
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		TULLY et al., Electronic and Phonon Mechanisms of vibrational Relaxation: CO on Cu(100), J. Vac. Sci. Technol. A 11(4) (1993)	
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		YATES et al., Special Adsorption and Reaction Effects at Step Defect Sites on Platinum Single Crystal Surfaces (2000)	
		DEKORSY et al., Coherent Acoustic Phonons in Semiconductor Superlattices, phys. stat. sp.; (b) 215, p 425-430 (1999)	

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		BONDZIE, V. A., et al.; "Oxygen adsorption ... gold particles ... TiO <sub>2</sub> (110)"; J. Vac. Sci. Tech. A., (1999) 17, pp. 1717 and figure 3	
		BOULTER, James; "Laboratory Measurement of OH ... "; <a href="http://pearl1.lanl.gov/wsa2002/WSA2002talks.pdf">http://pearl1.lanl.gov/wsa2002/WSA2002talks.pdf</a>	
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		DIEKHONER, L., et al.; "Parallel pathways in methanol... Pt(111)"; Surf. Sci. 409 (1998) pp 384-391	
		DIESING, D., et al.; "Aluminium oxide tunnel junctions..."; Thin Solid Films, Vol. 342 (1-2) (1999) pp. 282-290	
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		DOGWILER, Urs, et al.; "Two-dimensional ... catalytically stabilized ... lean methane-air ..."; Combustion and Flame, (1999), 116(1,2), pp 243-258	
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		HESS, S., et al.; "Hot Carrier Relaxation ... Phonon Scattering in GaN"; <a href="http://www.physics.ox.ac.uk/rtaylor/images/hot%20carrier%20poster.pdf">http://www.physics.ox.ac.uk/rtaylor/images/hot%20carrier%20poster.pdf</a>	
		HO, Wilson; <a href="http://www.lassp.cornell.edu/lassp_data/wilsonho.html">http://www.lassp.cornell.edu/lassp_data/wilsonho.html</a>	

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		HONKALA, Karoliina, et al.; "Ab initio study of O2 precursor states on the Pd(111)..."; J. Chem. Phys. (2001) 115, pp. 2297-2302	
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		IBH; "NanoLED overview"; <a href="http://www.ibh.co.uk/products/light_sources/nanoled_main.htm">http://www.ibh.co.uk/products/light_sources/nanoled_main.htm</a>	
		IBH; "Red picosecond laser sources"; <a href="http://www.ibh.co.uk/products/light_sources/nanoled/heads/red_laser_heads.htm">http://www.ibh.co.uk/products/light_sources/nanoled/heads/red_laser_heads.htm</a>	
		IFTIMIA, Ileana, et al.; "Theory ... scattering of molecules from surface"; Phys. Rev. B (2002) 65, Article 125401	

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		ISHIKAWA, Yasuyuki, et al.; "Energetics of H <sub>2</sub> O dissociation and COads+OHads reaction .. Pt.."; Surf. Sci. preprints SUSC 12830, 27 April 2002	
		JOHNSON, R. Colin ; "Molecular substitution ...terahertz switch arrays"; EE Times, (04/10/00, 3:35 p.m. EST) <a href="http://www.eet.com/story/OEG20000410S0057">http://www.eet.com/story/OEG20000410S0057</a>	
		KAO, Chia-Ling, et al.; "The adsorption ... molecular carbon dioxide on Pt(111) and Pd(111)"; Surf. Sci., (2001) Article 12570	
		KATZ, Gil, et al.; "Non-Adiabatic Charge Transfer Process of Oxygen on metal Surfaces"; Surf. Sci. 425(1) (1999) pp. 1-14	
		KAWAKAMI, R. K., et al.; "Quantum-well states in copper thin films"; Nature, 398, (1999) pp 132 - 134	
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		LEWIS, Steven P., et al.; "Continuum Elastic Theory of Adsorbate Vibrational Relaxation"; J. Chem. Phys. 108, 1157 (1998)	
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		LI, Shenping, et al.; "Generation of wavelength-tunable single-mode picosecond pulses ..."; Appl. Phys. Lett. 76, (2000) pp 3676 - 3678	

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First Named Inventor	Anthony C. Zuppero
Art Unit	1753
Examiner Name	Alan D. Diamond
Attorney Docket Number	22122878-10

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		MITSUMI, T., et al.; "Coadsorption and interactions of O and H on Pd(111)"; Surf. Sci., Article 12767, (2002)	
		MOULA, Md. Golam, et al.; "Velocity distribution of desorbing CO <sub>2</sub> in CO oxidation on Pd(110)..."; Applied Surf. Sci., 169-170, pp 268-272 (2001)	
		MULET, Jean-Philippe, et al.; "Nanoscale radiative heat transfer between a small particle ..."; Appl. Phys. Lett., 78, (2001) p 2931	
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		NIENHAUS, Hermann; "Electron-hole pair creation by reactions at metal surfaces"; APS, March 20-26, 1999, Atlanta, GA, Session SC33 [SC33.01]	
		NIENHAUS, H, et al.; "Electron-Hole Pair Creation at Ag and Cu ... of Atomic Hydrogen and Deuterium"; Phys. Rev. Lett., 82, (1999) pp. 446-449	
		NOLAN P. D., et al.; "Direct verification of... precursor to oxygen dissociation on Pd(111)"; Surf. Sci. v. 419(#1) pp. L107-L113, (1998)	

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		NOLAN, P. D., et al.; "Translational ... Precursors to Oxygen Adsorption on Pt(111)"; Phys. Rev. Lett., 81, (1998) pp 3179 - 3182	
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		RINNEMO, Mats; "Catalytic Ignition and Kinetic Phase Transitions"; 1996; <a href="http://www2.lib.chalmers.se/cth/diss/doc/9596/RinnemoMats.html">http://www2.lib.chalmers.se/cth/diss/doc/9596/RinnemoMats.html</a>	
		ROBERTSON, A. J. B.; "Catalysis of Gas Reactions by Metals"; Logos Press Limited; 1970; LC # 70-80936; pp. 1-5, 10, 41; Great Britain, Adlard & son Ltd	

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		SCHEWE, P., et al.; "CO2 Production at the Single-Molecule Level"; <a href="http://www.aip.org/enews/physnews/2001/split/561-1.html">http://www.aip.org/enews/physnews/2001/split/561-1.html</a>	
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		TARVER, Craig M.; "Non-Equilibrium Chemical Kinetic ... Explosive Reactive Flows"; Fall 1999 IMA Workshop: High-Speed Combustion in Gaseous and Condensed-Phase	
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		TEODORESCU, C.M., et al.; "Structure of Fe layers grown on InAs ..."; Appl. Surf. Sci., 166, (2000) pp 137-142	
		TIUSAN, C., et al.; "Quantum coherent transport versus diode-like effect in ..."; Appl. Phys. Let. 79, (2001) pp 4231-4233	
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		WILKE, Steffen, et al.; "Theoretical investigation of water formation on Rh and Pt Surfaces"; J. Chem. Phys., 112, (2000) PP 9986 - 9995	
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		WINTERLIN, J, R., et al.; "Existence of a "Hot" Atom Mechanism for the Dissociation of O <sub>2</sub> on Pt(111)"; Phys. Rev. Lett., 77, (1996), pp 123 - 126	
		ZAMBELLI, T., et al.; "Complex pathways in dissociative adsorption of oxygen on platinum"; Nature 390, pp 495 - 497 (1997)	
		ZHDANOV, V.P., et al.; "Substrate-mediated photoinduced chemical reactions on ultrathin metal films"; Surf. Sci., V. 432 (#3) pp L599-L603, (1999)	
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		US-2001/0018923-A1	09-2001	Zuppero et al.	
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		DAVIS, J. E. et al., "Kinetics and dynamics of the dissociative chemisorption of oxygen on Ir(111)," Journal of Chem. Phys., Vol. 107(3), pp. 943 - 952, July 15, 1997.	
		TRIPA, C. Emil et al., "Surface-aligned reaction of photo- generated oxygen atoms with carbon monoxide targets," Nature, Vol. 398, pp. 591 - 593, April 15, 1999, www.nature.com.	
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Application Number	10/052,004
Filing Date	1/17/2002
First Named Inventor	Anthony C. Zuppers
Art Unit	1753
Examiner Name	Alan D. Diamond
Attorney Docket Number	22122878-10

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		G.H. TAKAOKA et al., "Preparation and catalytic activity of nano-scale Au islands supported on TiO <sub>2</sub> ", Nuclear Instruments & Methods in Physics Research, Section - B: Beam Interactions with Materials and Atoms, North-Holland Publishing Company, Amsterdam, NL, Vol. 121, No.1, 1997, pages 503-506,	
		XP004057973, abstract.	
		P. AVOURIS et al., "Electron-Stimulated Catalysis Device", IBM Technical Disclosure Bulletin, Vol. 25, No. 12, May 1, 1983, pages 6378-6379, New York, US, XP002219954.	

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		"Electron-hole pair creation by reactions at metal surfaces", downloaded from www.aps.org/meet/CENT99/BAPS/abs?S6980001.html American Physical Society Centennial Meeting Program, Atlanta, GA, 20-26 March 1999	
		"Electron-Hole Pair Creation at Ag and Cu Surfaces by Adsorption of Atomic Hydrogen and Deuterium", Physical Review Letters, Volume 82, Number 2. 11 January 1999	
		"The Solarex Guide to Solar Electricity" Solarex Corporation, Inc. Frederick, MD, pp. 66-67, April 1979	

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		FRESE, et al., "Analysis of Current/Voltage Curves at n-Si/SiO <sub>2</sub> /Pt Electrodes", J. Electrochem. Soc., December 1994, pp. 3375-3382, Vol. 141, No. 12, The Electrochemical Society, Inc.	
		FRESE, et al., "Methanol Oxidation at p-Si/Pt Electrodes, Evidence for Hot Hole Reactivity", J. Phys. Chem., 1995, pp. 6074-6083, Vol. 99, American Chemical Society.	
		GADZUK, "Multiple Electron Processes in Hot-Electron Femtochemistry at Surfaces", <a href="http://www.cstl.nist.gov/div837/837.03/highlite/gadzuk1999.htm">http://www.cstl.nist.gov/div837/837.03/highlite/gadzuk1999.htm</a> .	
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		ZHDANOV, et al., "Substrate-mediated photoinduced chemical reactions on ultrathin metal films", Surface Science, 1999, pp. L599-L603, Vol. 432, Elsevier Science B.V.	

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		MAHAN, G. D. et al., "Multilayer thermionic refrigerator and generator," Journal of Applied Physics, Vol. 83, No. 9, 1 May 1998.	
		STIPE, B. C. et al., "Atomistic studies of O <sub>2</sub> dissociation on Pt(111) induced by photons, electrons, and by heating," J. of Chem. Phys., Vol. 107 (16), October 22, 1997, pp. 6443 - 6447.	
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		BONN, M. et al., "Phonon-Versus Electron-Mediated Desorption and Oxidation of CO on Ru(0001)," Science, Vol. 285, No. 5430, Issue of 13 August 1999, pp. 1042-1045.	
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		NIENHAUS, H. et al., "Selective H atom sensors using ultrathin Ag/Si Schottky diodes," Applied Physics Letters, June 28, 1999, Vol. 74, Issue 26, pp. 4046-4048.	
		GAILLARD, Frederic et al., "Hot electron generation in aqueous solution at oxide-covered tantalum electrodes. Reduction of methylpyridinium and electrogenerated chemiluminescence of Ru(bpy)3 <sup>2+</sup> ," Journal of Physical Chemistry B., Vol. 103, No. 4, January 28 1999, pp. 667-74.	
		ENGSTROM, Ulrika and RYBERG, Roger, "Comparing the vibrational properties of low-energy modes of a molecular and an atomic adsorbate: CO and O on Pt (111)," Journal Of Chemical Physics, Vol. 112, No. 4, 22 January 2000, pp. 1959-1965.	

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		NIENHAUS, H et al., "Electron-Hole Pair Creation at Ag and Cu Surfaces by Adsorption of Atomic Hydrogen and Deuterium," Physical Review Letters, Vol. 82, Issue 2, January 11, 1999, pp. 446-449.	

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		Number-Kind Code <sup>2</sup> (if known)			
		US-6,537,829	03-2003	Zarling et al.	
		US-6,444,476	09-2002	Morgan, Christopher Grant	
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		US-6,312,914	11-2001	Kardos et al.	
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Application Number	10/052,004
Filing Date	1/17/2002
First Named Inventor	Anthony C. Zuppero
Art Unit	1753
Examiner Name	Alan D. Diamond
Attorney Docket Number	22122878-10

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		Number-Kind Code <sup>2</sup> (if known)			
		US-2003/0207331	11-2003	Wilson et al.	
		US-2003/0166307	09-2003	Zuppero et al.	
		US-2003/0100119	05-2003	Weinberg et al.	
		US-2003/0030067	02-2003	Chen, Wei	
		US-2003/0019517	01-2003	McFarland, Erick W.	
		US-2002/0121088	09-2002	Zuppero et al.	
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		US-2002/0045190	04-2002	Wilson et al.	
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		us- 2002/0121088 A1	09-05-2002	Zuppero et al.	
		US-4,012,301	03-1977	Rich et al.	
		US-5,470,395	11-1995	Yater et al.	
		US-2003/0000570 A1	01-2003	Zuppero et al.	
		US-2003/0166307 A1	09-2003	Zuppero et al.	

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		Country Code 3	-Number 4 - Kind Code 5 (if known)				
		wo	01/29938 A1	4-2001	NeoKismet L.L.C.		

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		ACHERMANN, M. et al., "Carrier dynamics around nano-scale Schottky contacts: a femtosecond near-field study", Applied Surface Science 7659 (2002) 1-4.	-
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		DEBERNARDI, A. et al., "Anharmonic Phonon Lifetimes in Semiconductors from Density-Functional Perturbation Theory", Physical Review Letters, VOL. 75, NUMBER 9, 28 AUGUST 1995, pp 1819 - 1822.	—
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